

## RECURSIVE NOISE REDUCTION WITH STILL PIXEL DETECTION

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## ABSTRACT OF THE DISCLOSURE

A system and system for performing adaptive recursive noise reduction with still pixel detection on a video stream is presented. After processing a field pixels that were modified are stored in the field so that processing of later fields uses the modified pixels. Furthermore, the system uses novel still pixel detection routines that include multiple thresholds and multiple windows of pixels so that noise reduction is only performed on still pixels.